

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/624,932C  
Source: TFW/6  
Date Processed by STIC: 7-29-05

# **ENTERED**



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/624,932C

DATE: 07/29/2005

TIME: 10:42:41

Input Set : D:\Cura 374 CON seq list 0605.txt  
 Output Set: N:\CRF4\07292005\J624932C.raw

3 <110> APPLICANT: Taupier, Raymond  
 4 Padigaru, Muralidhara  
 5 Rastelli, Luca  
 6 Spaderna, Steven  
 7 Shimkets, Richard  
 8 Zerhusen, Bryan  
 9 Spytek, Kimberly  
 10 Shenoy, Suresh  
 11 Li, Li  
 12 Gusev, Vladimir  
 13 Grosse, William  
 14 Alsobrook, John  
 15 Lepley, Denise  
 16 Burgess, Catherine  
 17 Gerlach, Valerie  
 18 Ellerman, Karen  
 19 MacDougall, John  
 20 Stone, David  
 21 Smithson, Glennda  
 23 <120> TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same  
 25 <130> FILE REFERENCE: 21402-074CON  
 27 <140> CURRENT APPLICATION NUMBER: 10/624,932C  
 28 <141> CURRENT FILING DATE: 2003-07-21  
 30 <150> PRIOR APPLICATION NUMBER: 09/918,779  
 31 <151> PRIOR FILING DATE: 2001-07-03  
 33 <150> PRIOR APPLICATION NUMBER: 60/221,409  
 34 <151> PRIOR FILING DATE: 2000-07-28  
 36 <150> PRIOR APPLICATION NUMBER: 60/222,840  
 37 <151> PRIOR FILING DATE: 2000-08-04  
 39 <150> PRIOR APPLICATION NUMBER: 60/223,752  
 40 <151> PRIOR FILING DATE: 2000-08-08  
 42 <150> PRIOR APPLICATION NUMBER: 60/223,762  
 43 <151> PRIOR FILING DATE: 2000-08-08  
 45 <150> PRIOR APPLICATION NUMBER: 60/223,770  
 46 <151> PRIOR FILING DATE: 2000-08-08  
 48 <150> PRIOR APPLICATION NUMBER: 60/223,769  
 49 <151> PRIOR FILING DATE: 2000-08-08  
 51 <150> PRIOR APPLICATION NUMBER: 60/225,146  
 52 <151> PRIOR FILING DATE: 2000-08-14  
 54 <150> PRIOR APPLICATION NUMBER: 60/225,392  
 55 <151> PRIOR FILING DATE: 2000-08-15  
 57 <150> PRIOR APPLICATION NUMBER: 60/225,470  
 58 <151> PRIOR FILING DATE: 2000-08-15

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 61 <151> PRIOR FILING DATE: 2000-08-16  
 63 <150> PRIOR APPLICATION NUMBER: 60/263,662  
 64 <151> PRIOR FILING DATE: 2001-02-01  
 66 <150> PRIOR APPLICATION NUMBER: 60/281,645  
 67 <151> PRIOR FILING DATE: 2001-04-05  
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 81 cagcagagtg ccaccgtggc caacccagtg cctggtgcca accccggactt gcttcccccac 180  
 82 ttcctgggtgg agccccgagga tttgtacatc gtcaagaaca agccagtgtt gcttgggtgc 240  
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 89 aacgaggacc tggtgaccc gtcctggac cccaaatgtat acatcacgcg ggacacacgc 660  
 90 ctgggtggc gacaggcccg cttgtgcac acggccaaactt acacctgcgtt ggccaaagaac 720  
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115 cacaacctgc gcctatccat ccacgatgtg cccagctccc tgtggaagag taagctcctt 2220  
 116 gtcagctacc aggagatccc cttttatcac atctggaatg gcacgcagcg gtacttgac 2280  
 117 tgcacccatca ccctggagcg tgtcagcccc agcactagtg acctggcctg caagctgtgg 2340  
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 119 acaaggtttgc tgagctgct ggctctggag agtgaagcgg gggtcccagc cctgggtggc 2460  
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 130 <213> ORGANISM: Homo sapiens  
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 137 20 25 30  
 139 Asn Pro Val Pro Gly Ala Asn Pro Asp Leu Leu Pro His Phe Leu Val  
 140 35 40 45  
 142 Glu Pro Glu Asp Val Tyr Ile Val Lys Asn Lys Pro Val Leu Leu Val  
 143 50 55 60  
 145 Cys Lys Ala Val Pro Ala Thr Gln Ile Phe Phe Lys Cys Asn Gly Glu  
 146 65 70 75 80  
 148 Trp Val Arg Gln Val Asp His Val Ile Glu Arg Ser Thr Asp Gly Ser  
 149 85 90 95  
 151 Ser Gly Leu Pro Thr Met Glu Val Arg Ile Asn Val Ser Arg Gln Gln  
 152 100 105 110  
 154 Val Glu Lys Val Phe Gly Leu Glu Glu Tyr Trp Cys Gln Cys Val Ala  
 155 115 120 125  
 157 Trp Ser Ser Ser Gly Thr Thr Lys Ser Gln Lys Ala Tyr Ile Arg Ile  
 158 130 135 140  
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 161 145 150 155 160  
 163 Ser Leu Glu Gln Gly Ile Val Leu Pro Cys Arg Pro Pro Glu Gly Ile  
 164 165 170 175  
 166 Pro Pro Ala Glu Val Glu Trp Leu Arg Asn Glu Asp Leu Val Asp Pro  
 167 180 185 190  
 169 Ser Leu Asp Pro Asn Val Tyr Ile Thr Arg Glu His Ser Leu Val Val  
 170 195 200 205  
 172 Arg Gln Ala Arg Leu Ala Asp Thr Ala Asn Tyr Thr Cys Val Ala Lys  
 173 210 215 220  
 175 Asn Ile Val Ala Arg Arg Ser Ala Ser Ala Ala Val Ile Val Tyr  
 176 225 230 235 240  
 178 Val Asn Gly Gly Trp Ser Thr Trp Thr Glu Trp Ser Val Cys Ser Ala  
 179 245 250 255  
 181 Ser Cys Gly Arg Gly Trp Gln Lys Arg Ser Arg Ser Cys Thr Asn Pro  
 182 260 265 270

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185 275 280 285  
187 Thr Ala Cys Ala Thr Leu Cys Pro Val Asp Gly Ser Trp Ser Pro Trp  
188 290 295 300  
190 Ser Lys Trp Ser Ala Cys Gly Leu Asp Cys Thr His Trp Arg Ser Arg  
191 305 310 315 320  
193 Glu Cys Ser Asp Pro Ala Pro Arg Asn Gly Gly Glu Glu Cys Gln Gly  
194 325 330 335  
196 Thr Asp Leu Asp Thr Arg Asn Cys Thr Ser Asp Leu Cys Val His Ser  
197 340 345 350  
199 Ala Ser Gly Pro Glu Asp Val Ala Leu Tyr Val Gly Leu Ile Ala Val  
200 355 360 365  
202 Ala Val Cys Leu Val Leu Leu Leu Val Leu Ile Leu Val Tyr Cys  
203 370 375 380  
205 Arg Lys Lys Glu Gly Leu Asp Ser Asp Val Ala Asp Ser Ser Ile Leu  
206 385 390 395 400  
208 Thr Ser Gly Phe Gln Pro Val Ser Ile Lys Pro Ser Lys Ala Asp Asn  
209 405 410 415  
211 Pro His Leu Leu Thr Ile Gln Pro Asp Leu Ser Thr Thr Thr Thr  
212 420 425 430  
214 Tyr Gln Gly Ser Leu Cys Pro Arg Gln Asp Gly Pro Ser Pro Lys Phe  
215 435 440 445  
217 Gln Leu Thr Asn Gly His Leu Leu Ser Pro Leu Gly Gly Gly Arg His  
218 450 455 460  
220 Thr Leu His His Ser Ser Pro Thr Ser Glu Ala Glu Glu Phe Val Ser  
221 465 470 475 480  
223 Arg Leu Ser Thr Gln Asn Tyr Phe Arg Ser Leu Pro Arg Gly Thr Ser  
224 485 490 495  
226 Asn Met Thr Tyr Gly Thr Phe Asn Phe Leu Gly Arg Leu Met Ile  
227 500 505 510  
229 Pro Asn Thr Gly Ile Ser Leu Leu Ile Pro Pro Asp Ala Ile Pro Arg  
230 515 520 525  
232 Gly Lys Ile Tyr Glu Ile Tyr Leu Thr Leu His Lys Pro Glu Asp Val  
233 530 535 540  
235 Arg Leu Pro Leu Ala Gly Cys Gln Thr Leu Leu Ser Pro Ile Val Ser  
236 545 550 555 560  
238 Cys Gly Pro Pro Gly Val Leu Leu Thr Arg Pro Val Ile Leu Ala Met  
239 565 570 575  
241 Asp His Cys Gly Glu Pro Ser Pro Asp Ser Trp Ser Leu Arg Leu Lys  
242 580 585 590  
244 Lys Gln Ser Cys Glu Gly Ser Trp Glu Asp Val Leu His Leu Gly Glu  
245 595 600 605  
247 Glu Ala Pro Ser His Leu Tyr Tyr Cys Gln Leu Glu Ala Ser Ala Cys  
248 610 615 620  
250 Tyr Val Phe Thr Glu Gln Leu Gly Arg Phe Ala Leu Val Gly Glu Ala  
251 625 630 635 640  
253 Leu Ser Val Ala Ala Ala Lys Arg Leu Lys Leu Leu Leu Phe Ala Pro  
254 645 650 655  
256 Val Ala Cys Thr Ser Leu Glu Tyr Asn Ile Arg Val Tyr Cys Leu His

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257	660	665	670													
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260																
	675					680									685	
262	Gly	Gly	Gln	Leu	Ile	Gln	Glu	Pro	Arg	Val	Leu	His	Phe	Lys	Asp	Ser
263																
	690					695						700				
265	Tyr	His	Asn	Leu	Arg	Leu	Ser	Ile	His	Asp	Val	Pro	Ser	Ser	Leu	Trp
266																
	705					710					715					720
268	Lys	Ser	Lys	Leu	Leu	Val	Ser	Tyr	Gln	Glu	Ile	Pro	Phe	Tyr	His	Ile
269											725		730			735
271	Trp	Asn	Gly	Thr	Gln	Arg	Tyr	Leu	His	Cys	Thr	Phe	Thr	Leu	Glu	Arg
272											740		745			750
274	Val	Ser	Pro	Ser	Thr	Ser	Asp	Leu	Ala	Cys	Lys	Leu	Trp	Val	Trp	Gln
275											755		760			765
277	Val	Glu	Gly	Asp	Gly	Gln	Ser	Phe	Ser	Ile	Asn	Phe	Asn	Ile	Thr	Lys
278											770		775			780
280	Asp	Thr	Arg	Phe	Ala	Glu	Leu	Leu	Ala	Leu	Glu	Ser	Glu	Ala	Gly	Val
281											785		790			795
283	Pro	Ala	Leu	Val	Gly	Pro	Ser	Ala	Phe	Lys	Ile	Pro	Phe	Leu	Ile	Arg
284											805		810			815
286	Gln	Lys	Ile	Ile	Ser	Ser	Leu	Asp	Pro	Pro	Cys	Arg	Arg	Gly	Ala	Asp
287											820		825			830
289	Trp	Arg	Thr	Leu	Ala	Gln	Lys	Leu	His	Leu	Asp	Ser	His	Leu	Ser	Phe
290											835		840			845
292	Phe	Ala	Ser	Lys	Pro	Ser	Pro	Thr	Ala	Met	Ile	Leu	Asn	Leu	Trp	Glu
293											850		855			860
295	Ala	Arg	His	Phe	Pro	Asn	Gly	Asn	Leu	Ser	Gln	Leu	Ala	Ala	Ala	Val
296											865		870			880
298	Ala	Gly	Leu	Gly	Gln	Pro	Asp	Ala	Gly	Leu	Phe	Thr	Val	Ser	Glu	Ala
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313	aacatttaaa	aaaccttagga	aaaaaaattc	ctctgcaatg	tctaaaggac	aggagcaact	180									
314	ttagattctt	ccaggtttct	aaaagtaacc	tgtttcaaa	ggaaaaatgcc	ctcattgcca	240									
315	aaaaaagaaat	gttacagcag	atattcaaca	ctttcagcct	taatgtctcc	caatctttt	300									
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317	aggtgtgtt	ggagcaggaa	accagggaaag	agggccgttc	actcttgcaa	agggggaaata	420									
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319	atagcaactg	tgccttggag	gtcatccatg	ttgaaatccg	aaggggctta	ctatttattg	540									
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/29/2005  
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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 2608,2612,2621,2625,2635,2655,2656,2694

Seq#:26; Xaa Pos. 1185

**VERIFICATION SUMMARY**

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L:424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:2580

M:341 Repeated in SeqNo=5

L:2239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:1184